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(71) Applicant (for all designated States except US): THE UNIVERSITY OF BRITISH COLUMBIA [CA/CA]; IRC Room 331, 2194 Health Sciences Mall, Vancouver, British Columbia V6T 1Z3 (CA).			
(72) Inventor; and		Published	
(75) Inventor/Applicant (for US only): SMIT, John [US/CA]; 9960 Seacastle Drive, Richmond, British Columbia V7A 4R8 (CA).		With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.	
(74) Agents: ROBINSON, Christopher, J. et al.; Suite 2200, 650 West Georgia Street, P.O. Box 11560, Vancouver, British Columbia V6B 4N8 (CA).			

(54) Title: CLEAVAGE OF CAULOBACTER PRODUCED RECOMBINANT FUSION PROTEINS

(57) Abstract

This invention provides a method for cleaving target proteins from Caulobacter S-layer protein under mild acid conditions. A fusion protein secreted by Caulobacter which includes a target protein and a Caulobacter S-layer secretion signal may be cleaved at an aspartate-proline dipeptide without solubilizing the fusion protein. This method may be carried out while the fusion protein is in an insoluble aggregate which facilitates recovery of the protein. This invention also provides a method of preparing a DNA construct for expression of the fusion protein and a method of preparing the fusion protein.